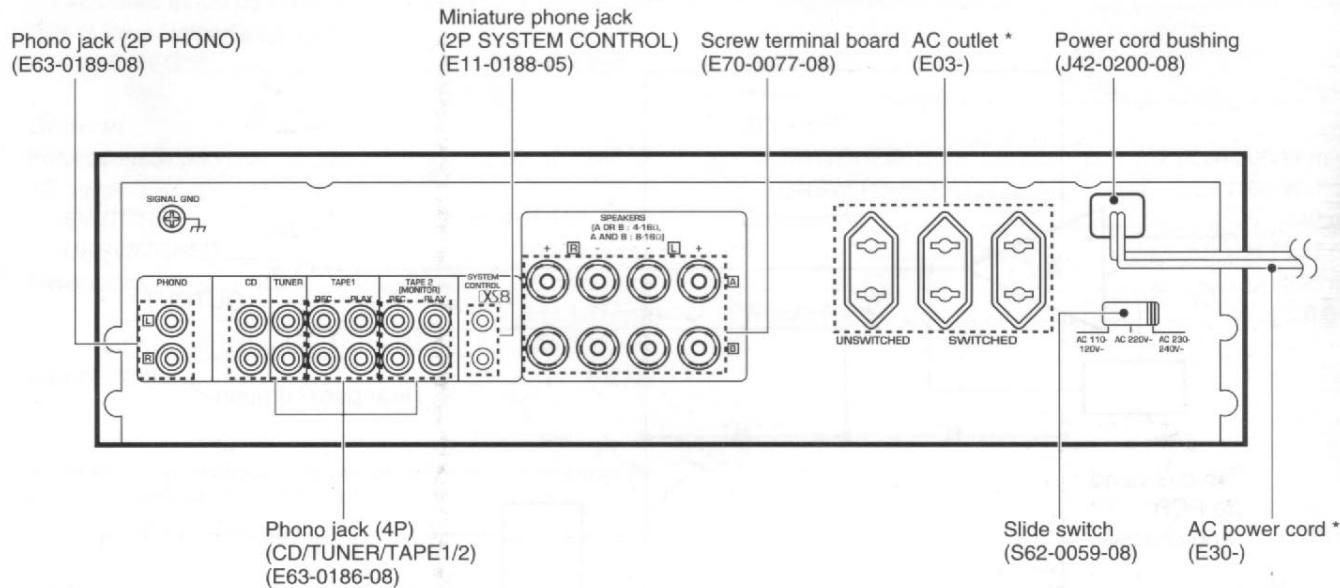
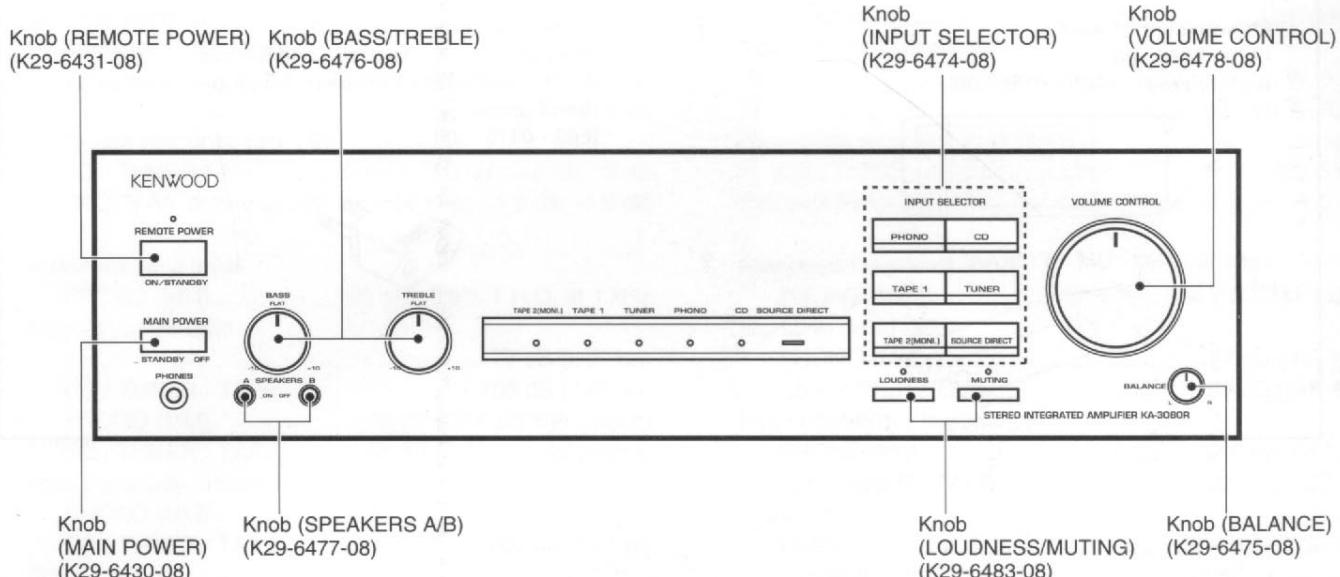


STEREO INTEGRATED AMPLIFIER
KA-3080R
 SERVICE MANUAL

KENWOOD

© 1996-4/B51-5145-00 (K/K) 2402



* Refer to parts list on page 16.

Caution: No connection of ground line if disassemble the unit.

Please connect the ground line on rear panel, PCBs, Chassis and some others.

KA-3080R

SPECIFICATIONS

For U.K.

Continuous rated power output (DIN) 1 kHz	
at 8 Ω	70 W + 70 W
at 4 Ω	100 W + 100 W
(IEC / NF) From 63 Hz to 12,500 Hz, 0.7 % T.H.D.	
at 8 Ω	70 W + 70 W
at 4 Ω	100 W + 100 W
Damping factor	.42 (50 Hz)
Total harmonic distortion	
.....0.06 % (20 Hz ~ 20,000 Hz, 35 W, 8 Ω)	
.....0.01 % (1 kHz, 70 W, 8 Ω)	
Frequency response (IHF'78)	
CD / TUNER / TAPE	5 Hz ~ 100 kHz, +0 dB, -3 dB
PHONO 'RIAA' response	.20 Hz ~ 20 kHz, +1.0 dB, -1.0 dB
Maximum input level	
PHONO (MM)	120 mV, 0.5% T.H.D. at 1 kHz
Signal to noise ratio	
PHONO (MM)	77 dB (IHF '66)
CD / TUNER / TAPE	105 dB (IHF '66)
PHONO (MM)	59 dB (DIN, 50 mW output)
CD / TUNER / TAPE	61 dB (DIN, 50 mW output)
Input sensitivity / impedance	
PHONO (MM)	2.5 mV / 47 kΩ
CD / TUNER / TAPE	200 mV / 47 kΩ
TONE control	
BASS	±10 dB (at 100 Hz)
TREBLE	±10 dB (at 10 kHz)
LOUDNESS control	
VOLUME at -30 dB level	+9 dB (at 100 Hz)
Output level / impedance	
TAPE REC	200 mV / 220 Ω
General	
Power consumption	200 W
AC outlet	
SWITCHED	2 (total 200 W max.)
UNSWITCHED	1 (100 W max.)
Dimensions	
.....W : 440 mm	
.....H : 123 mm	
.....D : 395 mm	
Weight (Net)	8.0 kg

KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.

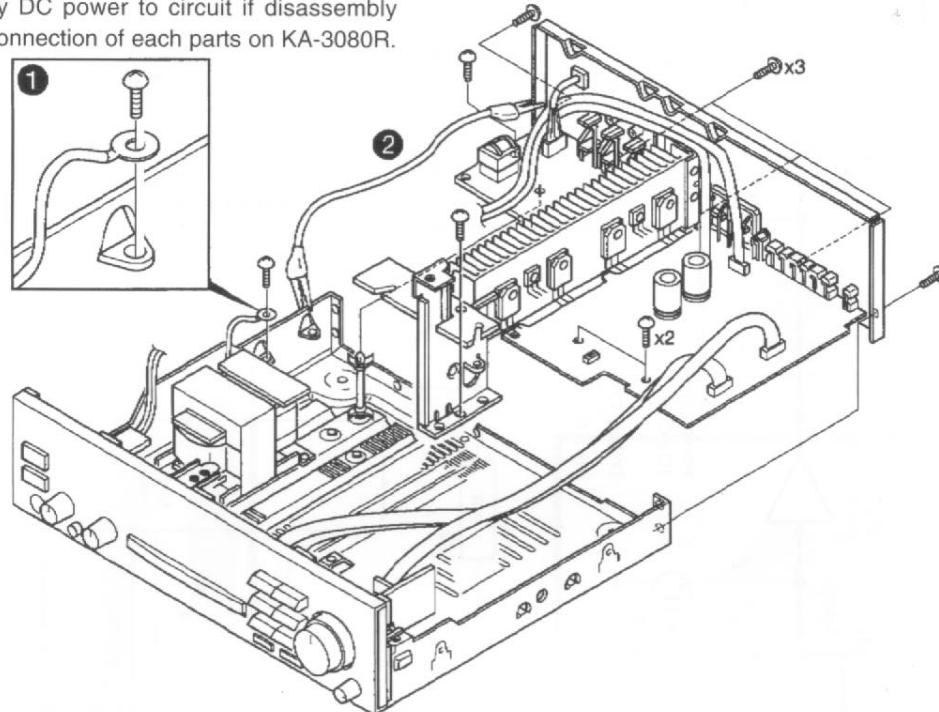
For other countries

Continuous rated power output (EIAJ) 1 kHz, 10 % T.H.D.	
at 8 Ω	90 W + 90 W
at 4 Ω	130 W + 130 W
(DIN / IEC)	
at 8 Ω	70 W + 70 W
at 4 Ω	100 W + 100 W
Damping factor	.42 (50 Hz)
Total harmonic distortion	
.....0.06 % (20 Hz ~ 20,000 Hz, 35 W, 8 Ω)	
.....0.01 % (1 kHz, 70 W, 8 Ω)	
Frequency response (IHF'78)	
CD / TUNER / TAPE	5 Hz ~ 100 kHz, +0 dB, -3 dB
PHONO 'RIAA' response	.20 Hz ~ 20 kHz, +1.0 dB, -1.0 dB
Maximum input level	
PHONO (MM)	120 mV, 0.5% T.H.D. at 1 kHz
Signal to noise ratio	
PHONO (MM)	77 dB (IHF '66)
CD / TUNER / TAPE	105 dB (IHF '66)
Input sensitivity / impedance	
PHONO (MM)	2.5 mV / 47 kΩ
CD / TUNER / TAPE	200 mV / 47 kΩ
TONE control	
BASS	±10 dB (at 100 Hz)
TREBLE	±10 dB (at 10 kHz)
LOUDNESS control	
VOLUME at -30 dB level	+9 dB (at 100 Hz)
Output level / impedance	
TAPE REC	200 mV / 220 Ω
General	
Power consumption	200 W
AC outlet	
SWITCHED	2 (total 200 W max.)
UNSWITCHED	1 (100 W max.)
Dimensions	
.....W : 440 mm	
.....H : 123 mm	
.....D : 395 mm	
Weight (Net)	8.0 kg

CAUTION FOR REPAIR

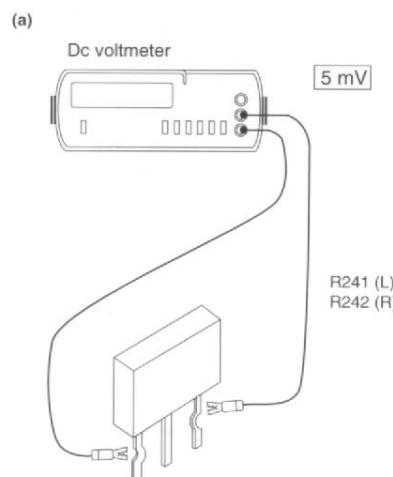
Caution: KA-3080R's circuit design use chassis ground.

Not supply DC power to circuit if disassembly and non-connection of each parts on KA-3080R.

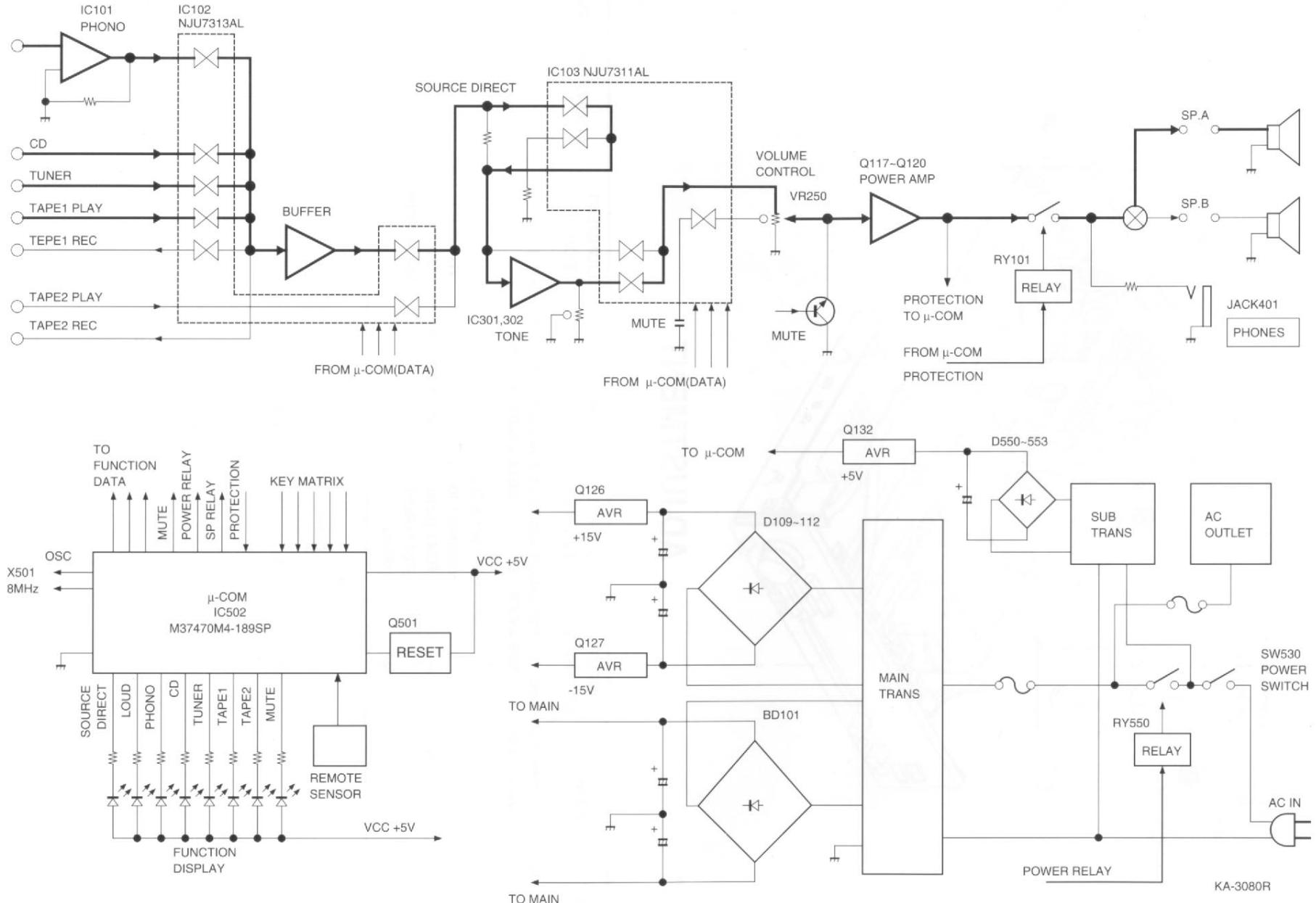


ADJUSTMENT

No.	ITEM	INPUT SETTINGS	OUTPUT SETTINGS	AMPLIFIER SETTINGS	ALIGNMENT POINTS	ALIGN FOR	FIG.
Unless otherwise specified, the individual switches should be set as following :							
		POWER : ON	SPEAKER : B	SELECTOR : PHONO			
1	IDLE CURRENT	—	Connect a DC voltmeter to R241 (Lch), R242 (Rch). (MAIN PCB)	VOLUME : 0	VR101 (L) VR102 (R) (MAIN PCB)	5 mV	(a)

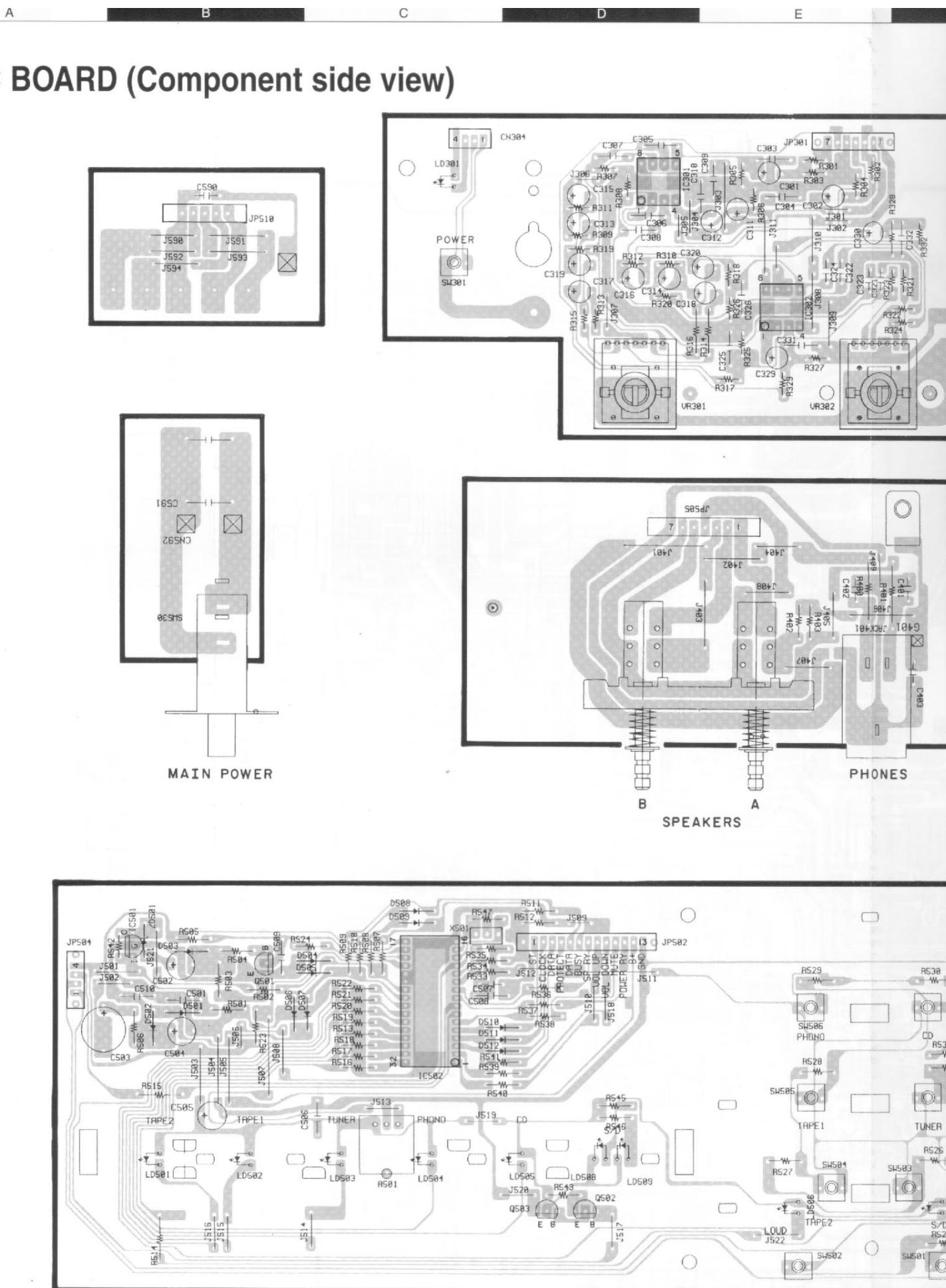


BLOCK DIAGRAM

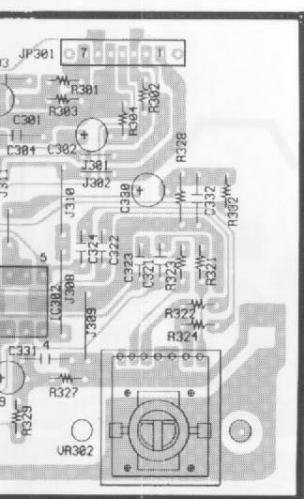


KA-3080R

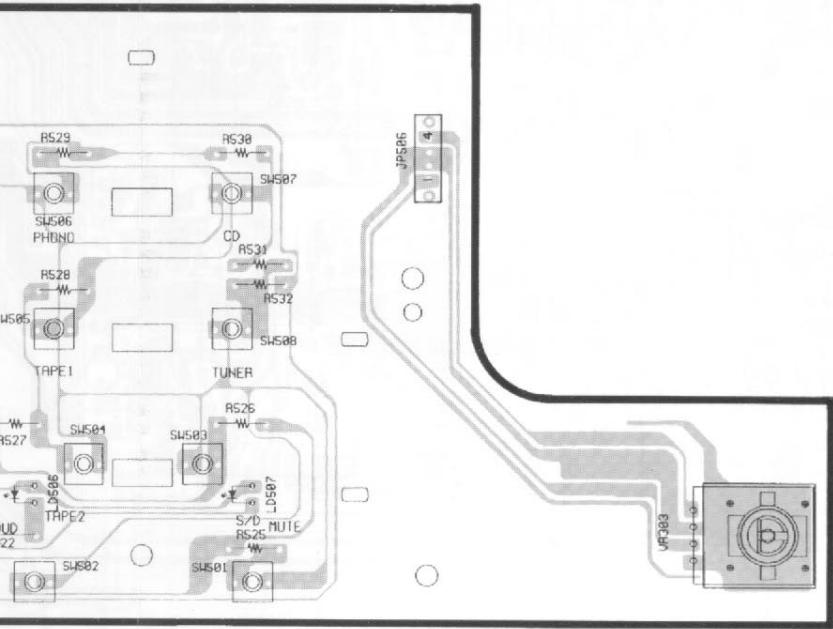
PC BOARD (Component side view)



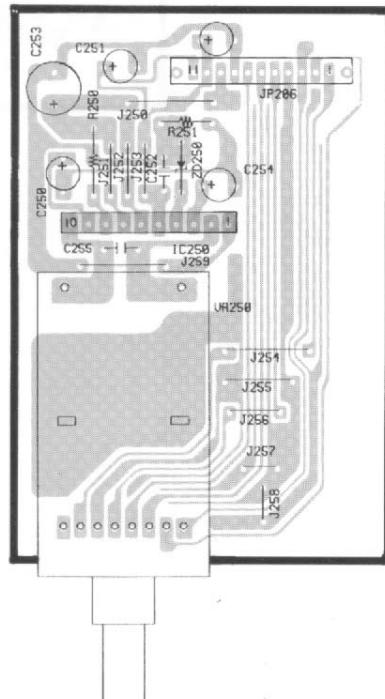
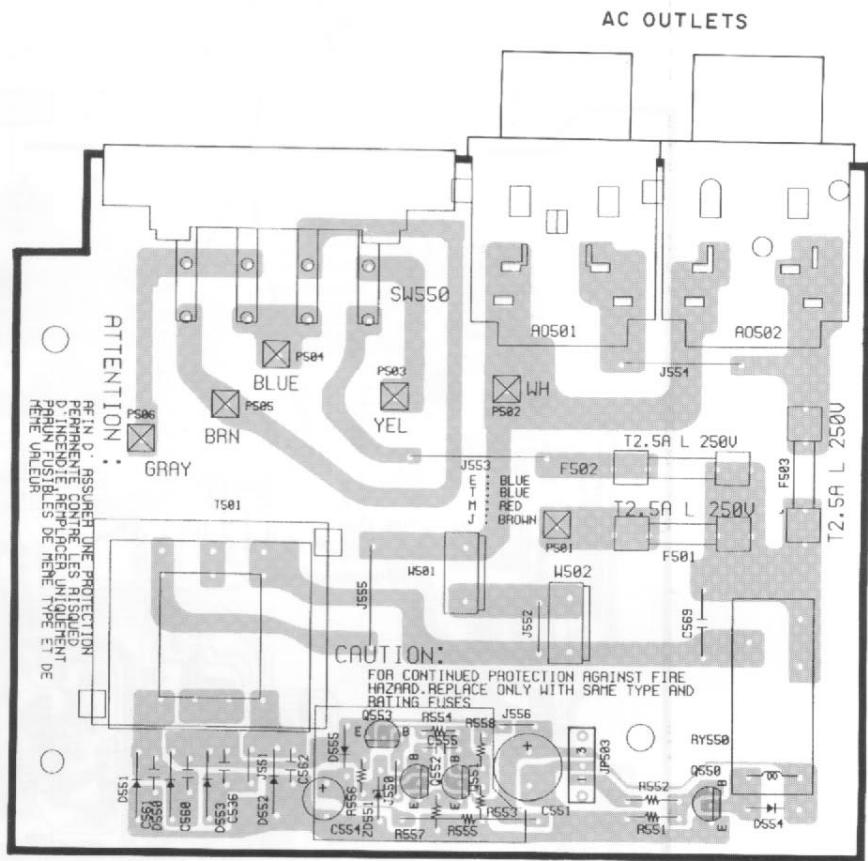
Refer to the schematic diagram for the values of resistors and capacitors.



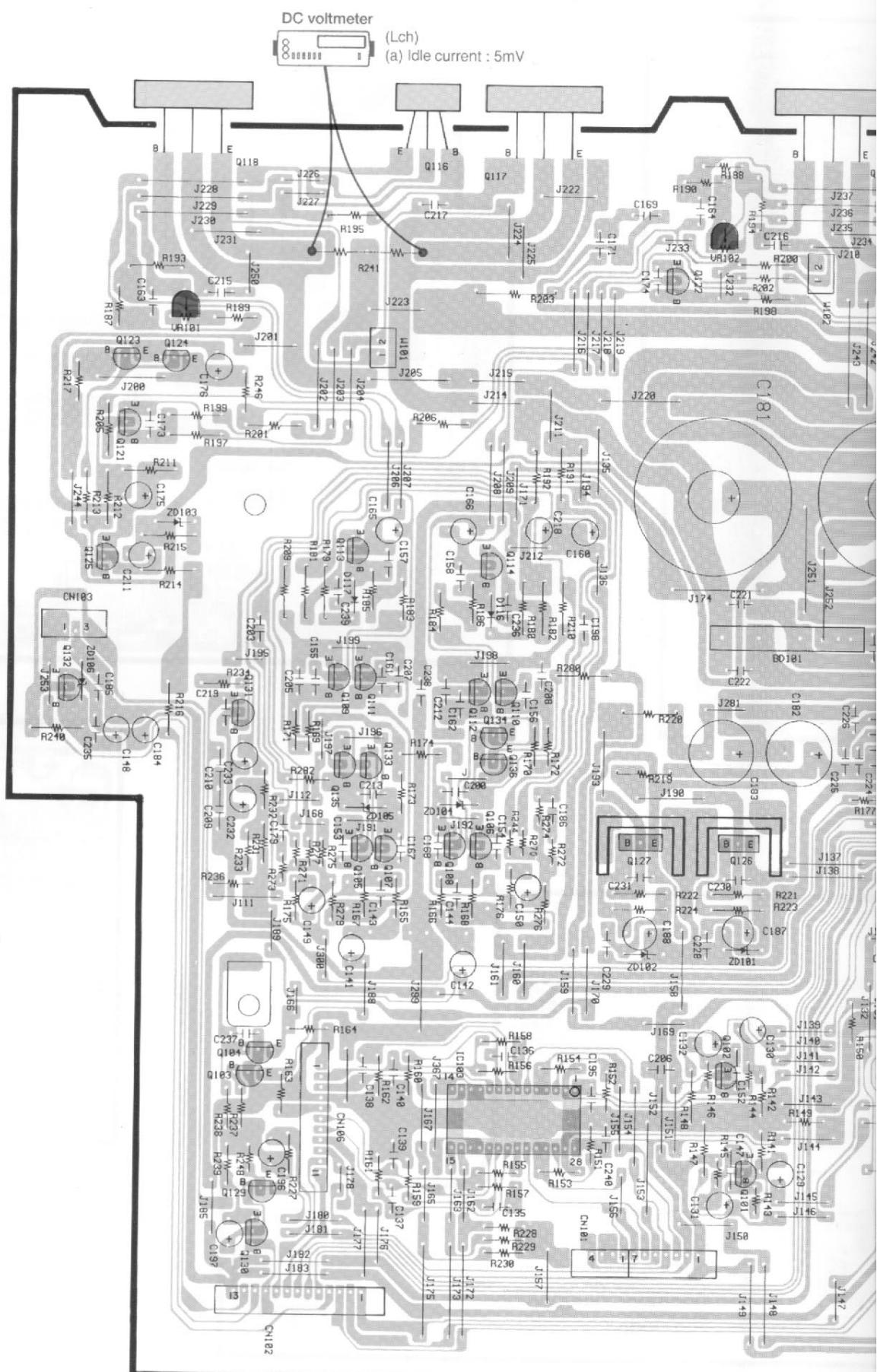
PHONES

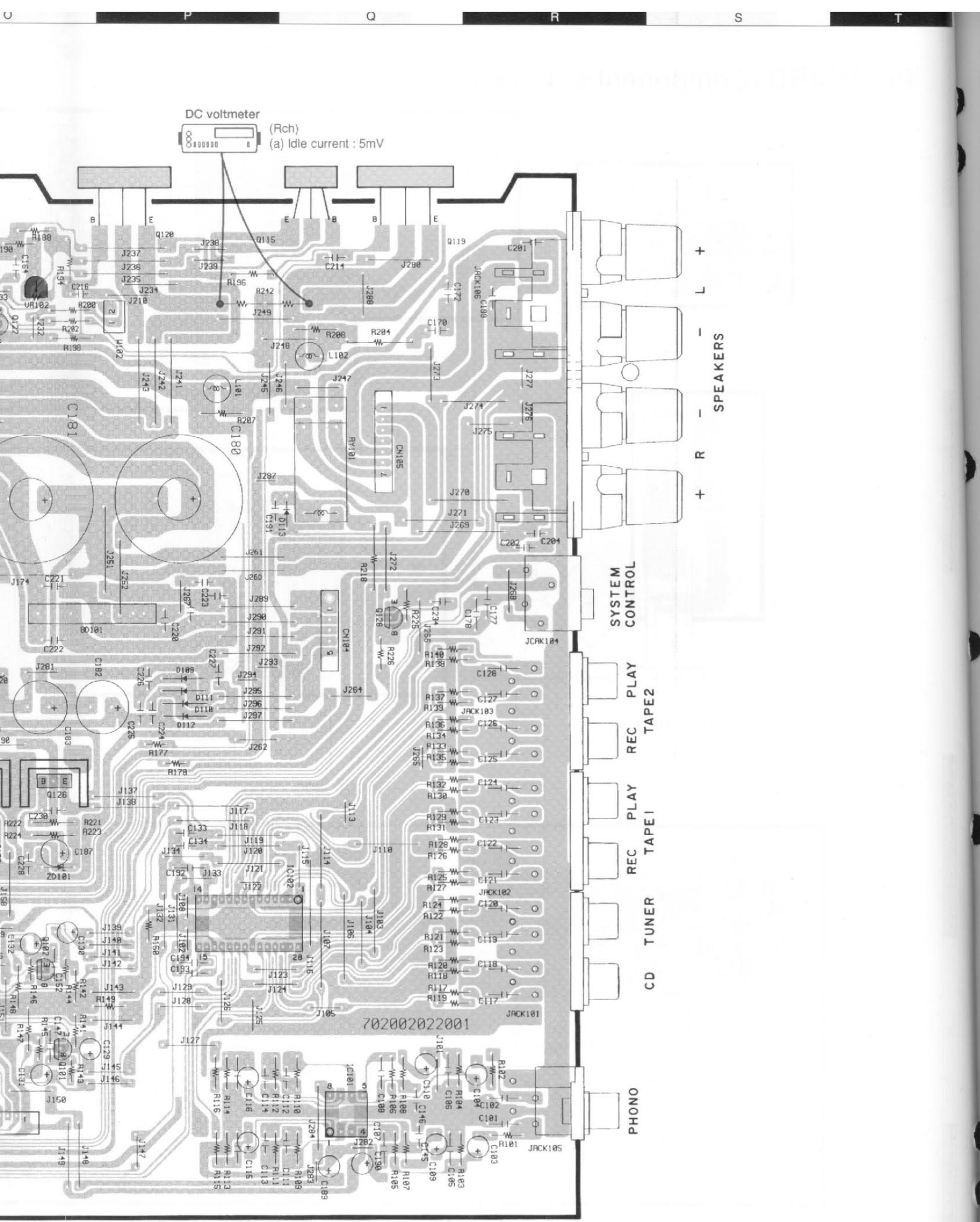


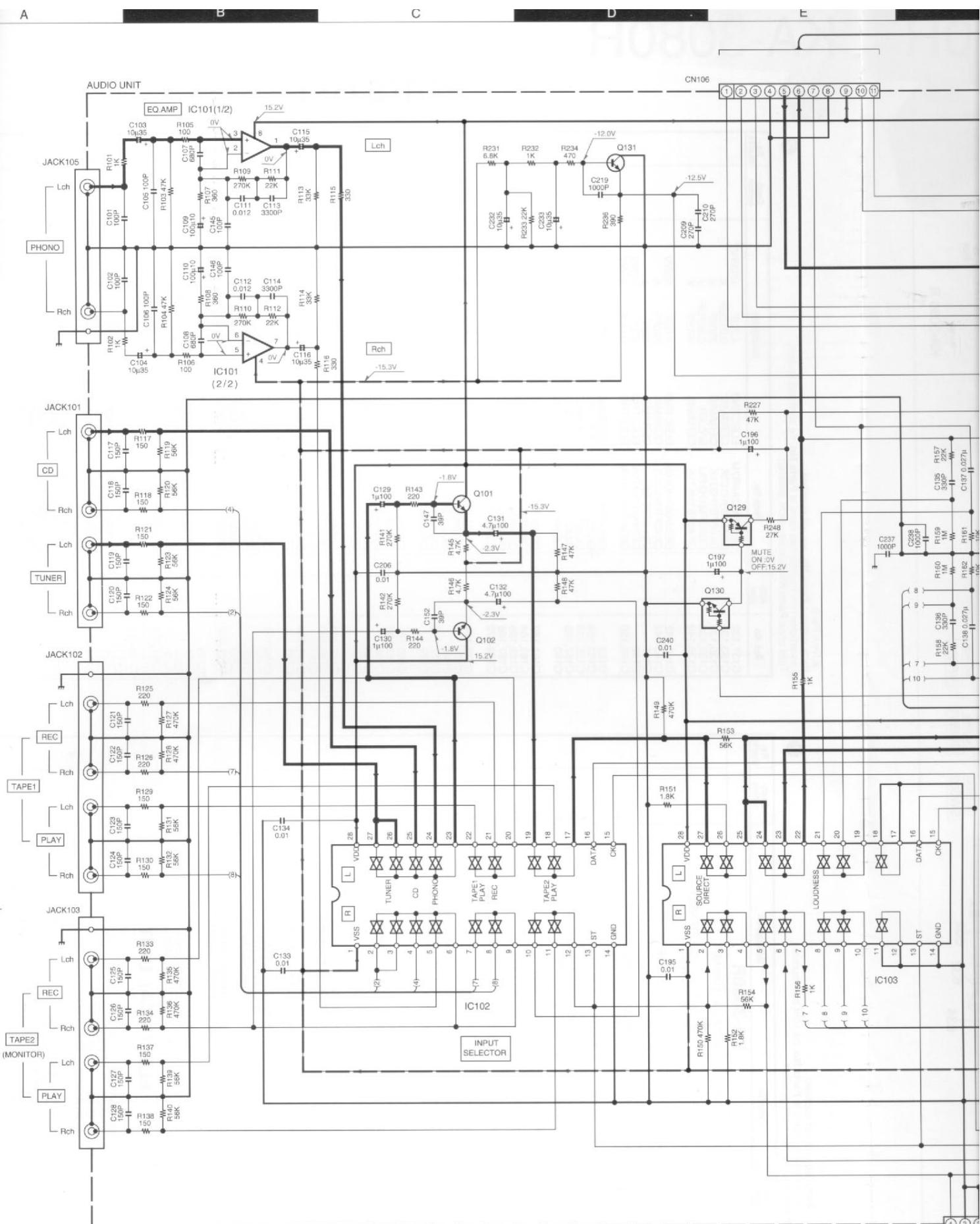
**VOLUME
CONTROL**

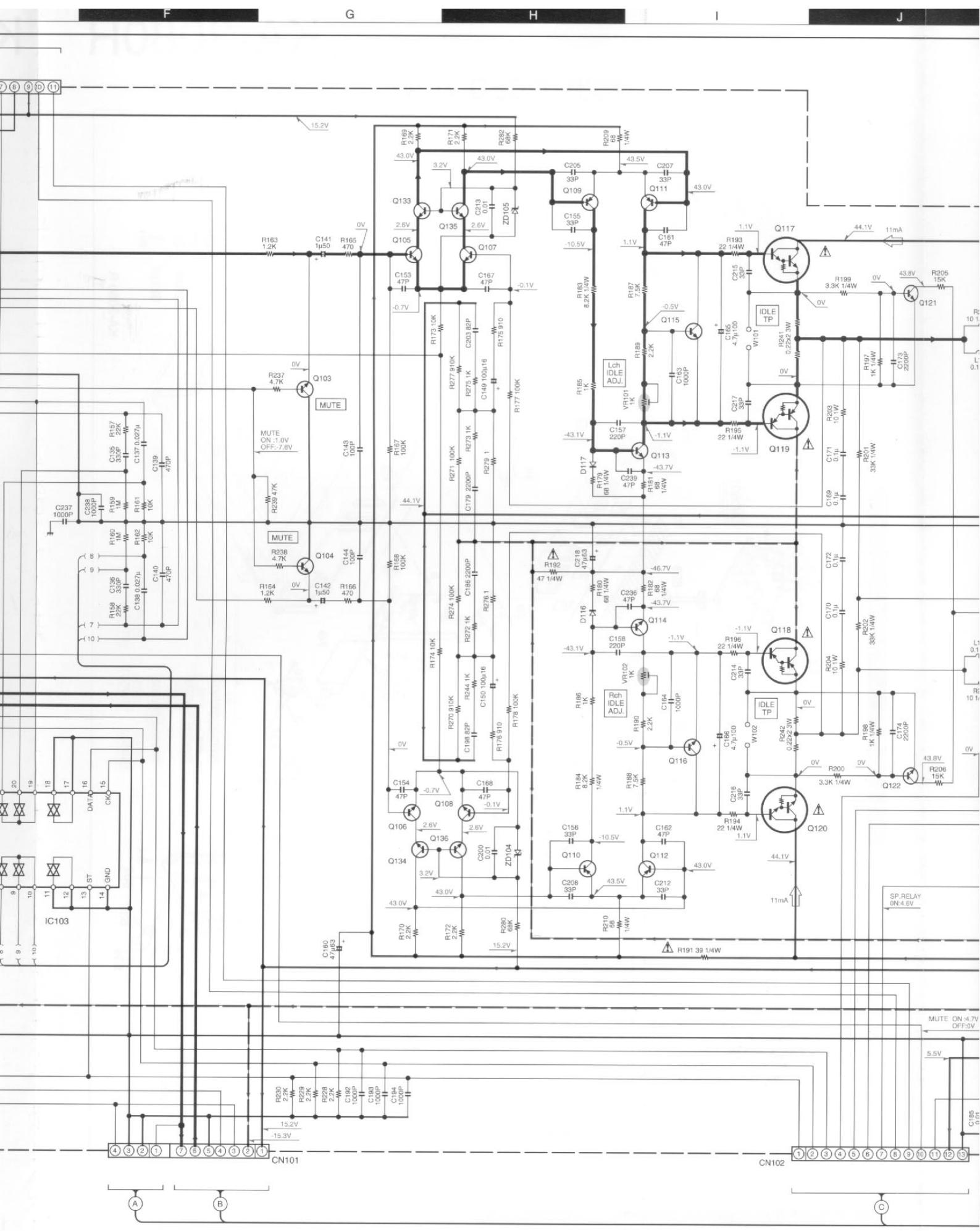


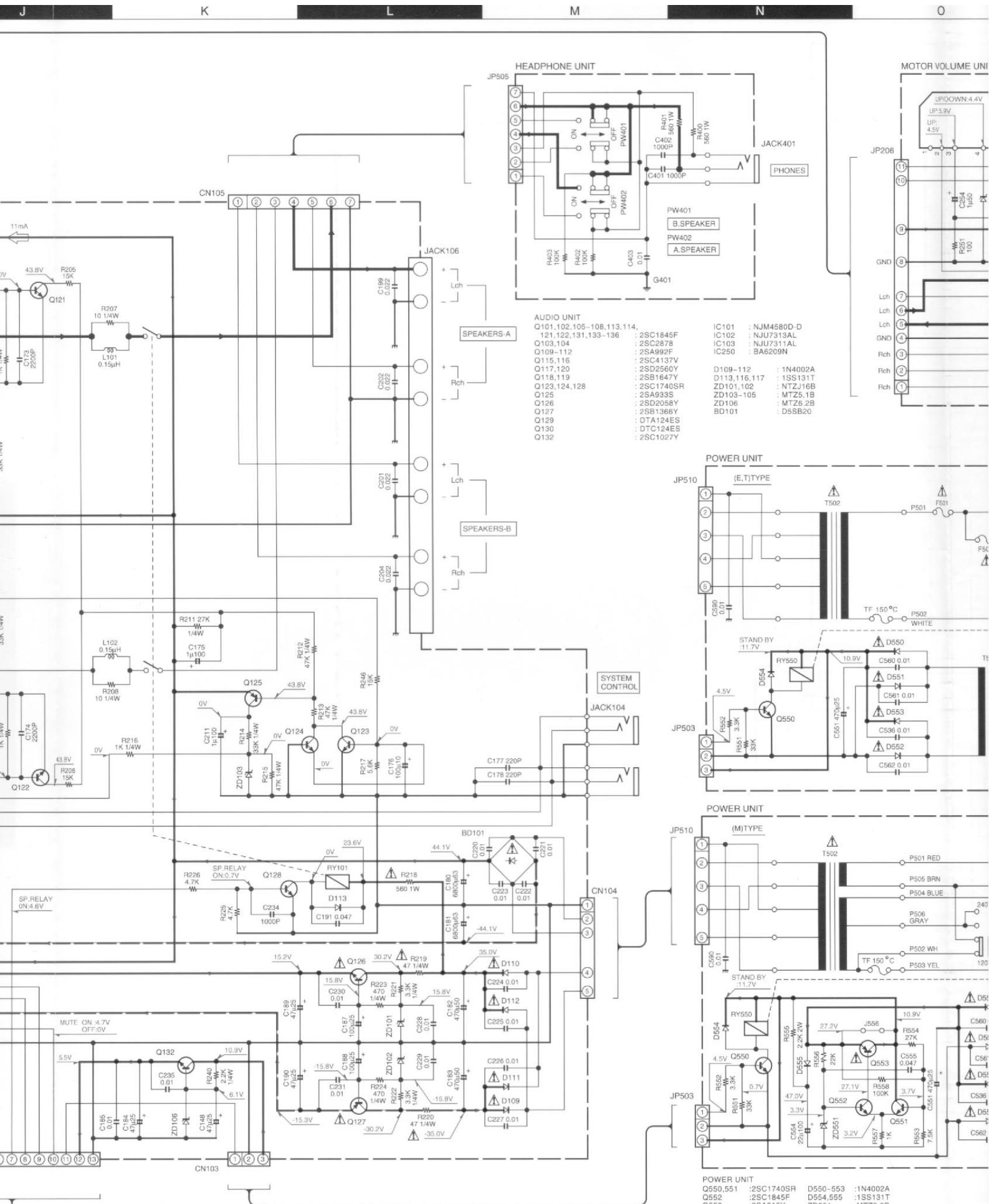
PC BOARD (Component side view)

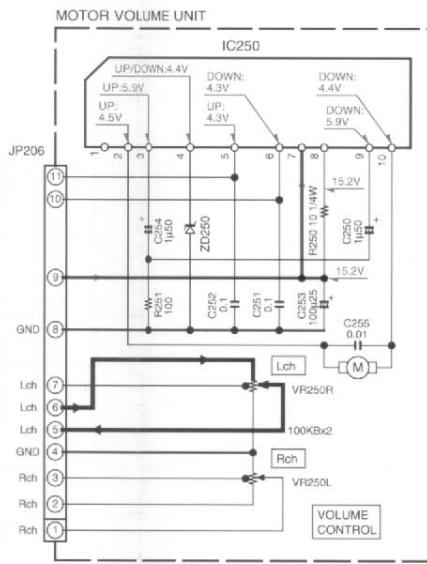






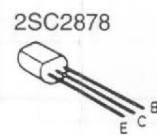
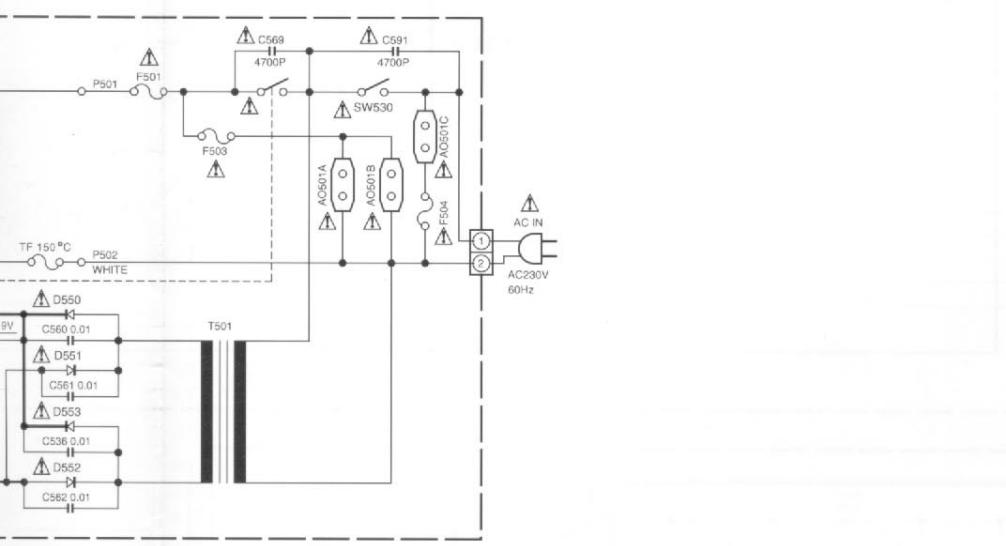




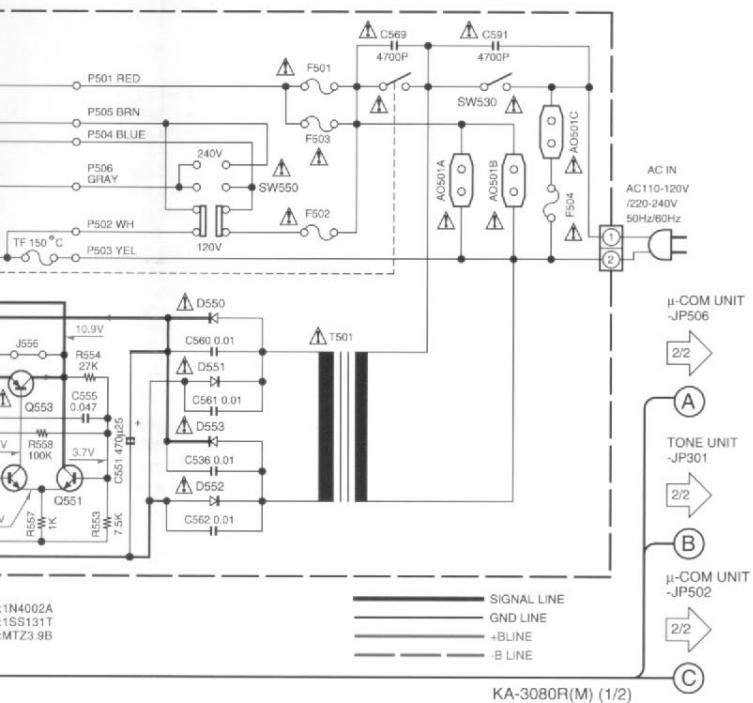


CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended part (refer to parts list). Δ indicates safety critical component. For continued protection against risk of fire, replace with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurement shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

The DC voltage is an actual reading measured with a low impedance type voltmeter with no signal input. The measurement value may vary depending on the measurement instruments used or on the product.



2SC2878
DTA114ES
DTA124ES
DTC114TS
DTC124ES
2SA933S
2SC1740SR

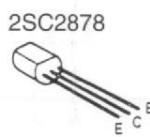


NJM4580D-D

BA6209N

CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). Δ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

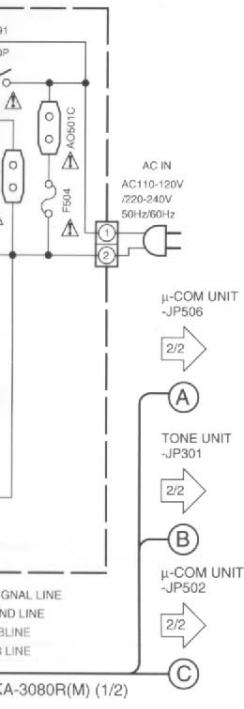
The DC voltage is an actual reading measured with a high impedance type voltmeter with no signal input. The measurement value may vary depending on the measuring instruments used or on the product.



DTA114ES
DTA124ES
DTC114TS
DTC124ES
2SA933S
2SC1740SR

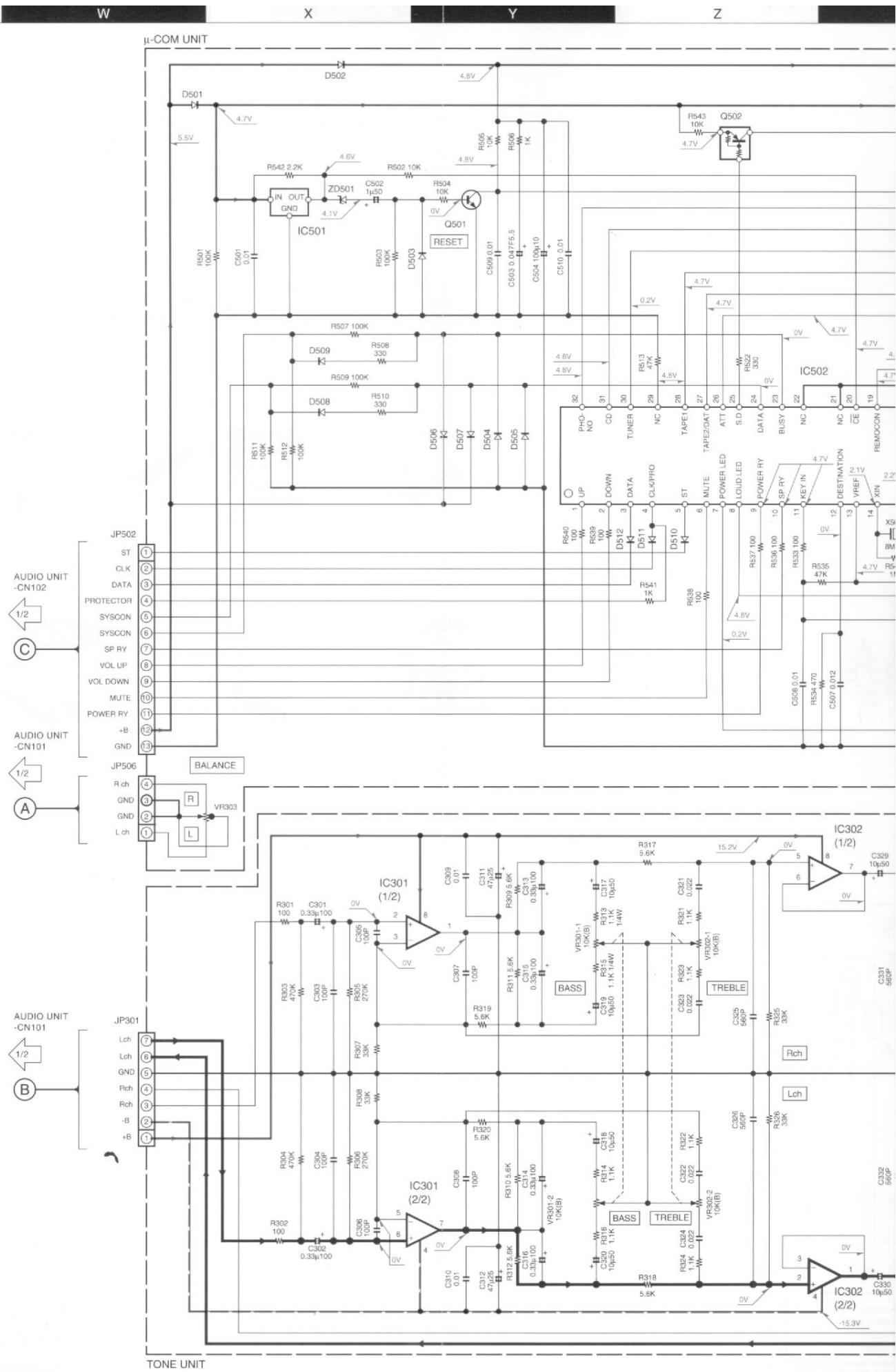


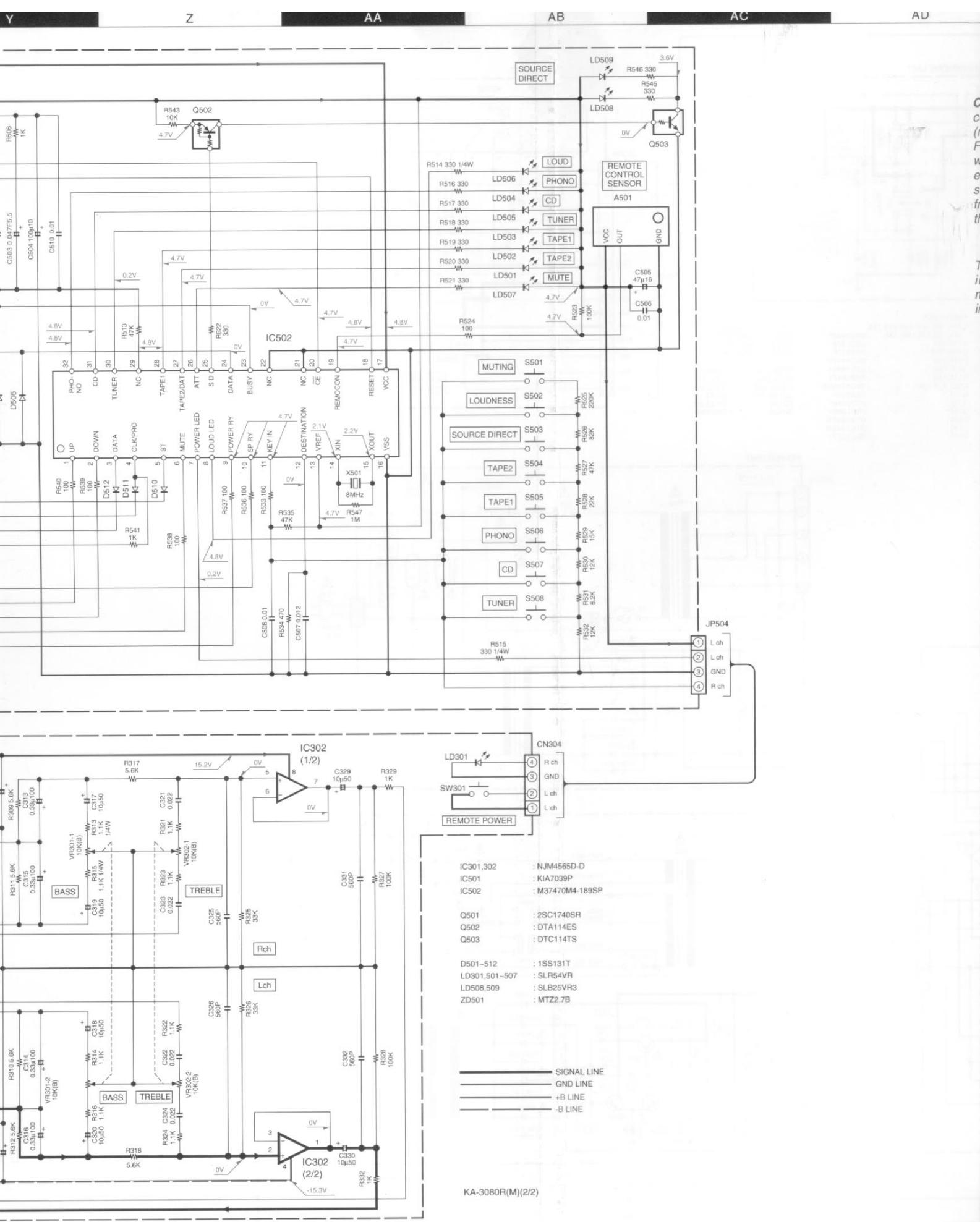
BA6209N



Y08-5452-70

KA-3080R
KENWOOD





EXPLODED VIEW

KA-3080R

Bats with the exploded numbers larger than 700 are not supplied.

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